In the Claims:

1. (Currently Amended) A compound of the formula (I)

in which

A is an aromatic heteromonocyclic ring,

where the heterocycles are 5- or 6-membered rings and comprise up to 4 heteroatoms selected from the group consisting of N, O and S, and up to 2 oxo groups; where not more than one of the heteroatoms is an oxygen or sulfur atom,

and A may be substituted by radicals R11, R12 and/or R13,

where

R¹¹, R²² and R¹³ at each occurrence are selected independently of one another from the group consisting of hydrogen chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C₄alkyl, O-phenyl, O-C₁-C₄-alkyln-phenyl, phenyl, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, NH₂, NH(C₁-C₄-alkyl) and N(C₁-C₄-alkyl)₂,

R³ and R⁴ are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C₁-alkyl, O-phenyl, O-C₁-C₁-alkylen-phenyl, phenyl, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, NH₂, NH(C₁-C₁-alkyl) and N(C₁-C₁-alkyl)₂, or

R3 and R4 are connected to give -CH=CH-CH=CH-, -(CH2)4- or -(CH2)3-,

R5 is a radical (W)-(X)-(Y)-Z, where

W is selected from the group consisting of NR54, NR54, C(1-C₁-alkylen) and a bond, X is selected from the group consisting of CO, CO-O, SO₂, NR54, NR54-CO, NR54-SO₂, CO-NR59 and a bond.

Y is C₁-C₆-alkylen, C₂-C₆-alkyenylen, C₂-C₆-alkynylen, or a bond,

Z is selected from the group consisting of hydrogen, E, O-R⁵², NR⁵¹R⁵², S-R⁵², where

E is an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, said ring may comprise up to two oxo groups, and may be substituted by radicals R³⁵, R⁴⁶, R⁹⁷, and/or up to three radicals R³⁵,

R⁵¹ at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, phenyl and C₁-C₁-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R⁵³,

 R^{S2} at each occurrence is independently selected from the group consisting of hydrogen, C_1 - C_6 -alkyl, C_2 - C_6 -alkynyl, E and C_1 - C_1 -alkylen-E,

R³³ at each occurrence is independently selected from the group consisting of hydrogen chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C₁-alkyl, C₁-C₆-alkyl, C₂-C₆-alkyl, C₂-C₆-alkyl, C₁-C₆-alkyl, C₁-C₆-alkyl) and N(C₁-C₁-alkyl)₂,

R⁵⁴ at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, phenyl and C₁-C₇-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R⁵⁹,

R^{SS} at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, phenyl, C₁-C₇-alkylen-phenyl, where the ring may be substituted by up to two radicals R^{os}, and OH, O-C₇-C₇-alkyl, O-phenyl, O-C₇-C₇-alkylen-phenyl, NH₂, NH(C₇-C₇-alkyl) and N(C₁-C₇-alkyl)₈.

R56 is a group Q1-Q2-Q3, where

 Q^1 is selected from the group consisting of a bond, C_1 - C_1 -alkylen, C_2 - C_4 -alkynylen, C_2 - C_4 -alkylen-N(C_1 - C_4 -alkyl), N(C_1 - C_4 -alkyl), N(C_1 - C_1 -alkyl), N(C_1 - C_1 -alkyl), N(C_1 - C_1 -alkyl)

Ci-Ci-alkylen, NH-Ci-Ci-alkylen, O, Ci-Ci-alkylen-O, O-Ci-Ci-alkylen, CO-NH, CO-N(Ci-Ci-alkyl), NH-CO, N(Ci-Ci-alkyl)-CO, CO, SO₂, SO, S, O, SO₂-NH, SO₂-N(Ci-Ci-alkyl), NH-SO₂, N(Ci-Ci-alkyl)-SO₂, O-CO-NH, O-CO-N(Ci-Ci-alkyl), NH-CO-O, N(Ci-Ci-alkyl)-CO-O, N(Ci-Ci-alkyl)-CO-N(Ci-Ci-alkyl), NH-CO-N(Ci-Ci-alkyl)-CO-NH, and NH-CO-NH

- Q² is selected from the group consisting of C₁-C₄-alkylen, C₂-C₄-alkenylen, C₂-C₄-alkynylen, and a bond,
- Q^3 is a hydrogen or an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which may comprise up to two oxo groups and may be substituted by the radicals R^{c_3} , R^{c_4} and/or R^{c_5} ,
- R³⁷ at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, phenyl, C₁-C₄-alkylen-phenyl, COOH, CO-O-C₁-C₇-alkyl, CONH₂, CO-NH-C₇-C₇-alkyl, CO-N(C₁-C₇-alkyl)₂, CO-C₁-C₇-alkyl, CH₂-NH₂, CH₂-NH-C₁-C₇-alkyl and CH₂-N(C₁-C₇-alkyl)₃.
- R^{SS} at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, phenyl and C₁-C₁-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R⁶².
- R⁵⁰, R⁶⁰ and R⁶² at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₃, OH, O-C₁-C₄alkyl, C₁-C₆-alkyl, C₂-C₆-alkynyl, C₂-C₆-alkynyl, NH₂, NH(C₁-C₄-alkyl) and N(C₁-C₁-alkyl)₂,
- Re⁵, Re⁶ and Re⁶ at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C₁alkyl, O-phenyl, O-C₁-C₁-alkyln-phenyl, phenyl, C₁-C₆-alkyl, C₂-C₆-alkynyl, C₂-C₆-alkynyl, NH₂, NH(C₁-C₁-alkyl) and N(C₁-C₁-alkyl)₂,

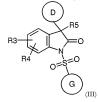
provided that if W is a bond, then X is NR^{at}, NR^{at}-CO or NR^{at}-SO₂, or if W is a bond, then X and Y are a bond and Z is NR^{at}-SO₂, provided that if W is a bond, then X is NR^{at}-SO₂, or if W is a bond, then X and Y are a bond and Z is NR^{at}-SO₂, or if W is a bond, then X and Y are a bond and Z is NR^{at}-SO₂, or if W is a bond, then X and Y are a bond and Z is NR^{at}-SO₂ or if W is a bond, then X and Y are a bond and Z is NR^{at}-SO₂ or if W is a bond, then X and Y are a bond and Z is NR^{at}-SO₂ or if W is a bond, then X are a bond and Z is NR^{at}-SO₂ or if W is a bond, then X is NR^{at}-S

to two oxo groups and may be substituted by radicals R⁵⁵, R⁵⁶, R⁵⁷ and/or up to three radicals R⁵³, and which ring is bound via a nitrogen ring atom to the remainder of the molecule,

R⁶ and R⁷ are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C₁-alkyl, O-phenyl, O-C₁-C₁-alkylen-phenyl, phenyl, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, NH₂, NH(C₁-C₁-alkyl) and N(C₁-C₁-alkyl)₂,

and their tautomeric forms, enantiomeric and diastercomeric forms, and prodrugs thereof.

- (Previously Presented) The compound of claim 1, wherein A is an aromatic heteromonocyclic systems comprising 1 or 2 heteroatoms, where one of the 2 heteroatoms is nitrogen.
- (Previously Presented) The compound of claim 1, wherein A is selected from the group consisting of pyrimidine, pyridine, pyridazine, pyrazine, thiazole, imidazole, thiophene-and furan.
- 4. (Cancelled).
- (Cancelled).
- 6. (Currently Amended) A compound of the formula (III),



in which

D is an aromatic heteromonocyclic ring,

where the heterocycles are 5- or 6-membered rings and comprise up to 4 heteroatoms selected from the group consisting of N_s O and S_s and up to 2 oxo groups;

and D may be substituted by radicals R21, R22 and/or R23,

G is an aromatic heteromonocyclic, aromatic or partially aromatic heterobicyclic ring,

where the heterocycles are 5- or 6-membered rings and comprise up to 4 heteroatoms selected from the group consisting of N, O and S, and up to 2 oxo groups and

G may be substituted by radicals R71, R72 and/or R73.

R²¹, R²², R²³, R²¹, R²² and R²³ at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C₁-alkyl, O-phenyl, O-C₁-C₂-alkyl-phenyl, phenyl, C₁-C₂-alkyl, C₂-C₂-alkenyl, C₂-C₃-alkynyl, NH₂, NH(C₁-C₃-alkyl) and N(C₁-C₄-alkyl)₂, morpholin-4-yl, pyrrolidin-1-yl, piperidin-1-yl, +piperazin-1-yl, +(C₁-C₃-alkyl)-piperazin-1-yl,

R³ and R³ at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C_r-alkyl, O-phenyl, O-C₁-C_r-alkylen-phenyl, phenyl, C₁-C_r-alkyl, C₂-C_r-alkyl, C₂-C_r-alkylyl, NH₂, NH(C₁-C_r-alkyl) and N(C₁-C_r-alkyl)₂ or

R3 and R4 are connected to give -CH=CH-CH=CH-, -(CH2)4- or -(CH2)3-,

R5 is a radical (W)-(X)-(Y)-Z, where

W is selected from the group consisting of NR54, NR54-(C₁-C₁-alkylen) and a bond, X is selected from the group consisting of CO, CO-O, SO₂, NR54, NR54-CO, NR54-SO₂, CO-NR58 and a bond.

Y is C₁-C₆-alkylen, C₂-C₆-alkenylen, C₂-C₆-alkynylen, or a bond,
Z is selected from the group consisting of hydrogen, E, O-R⁵², NR⁵¹R⁵², S-R⁵², where

E is an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which may comprise up to two oxo groups, and E may be substituted by radicals R^N, R^N, R^N and/or up to three radicals R^N.

R³¹ at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkynyl, C₂-C₆-alkynyl, phenyl and C₁-C₁-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R⁵³,

R³² at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkynyl, E and C₁-C₆-alkylen-E,

R^{SS} at each occurrence is independently selected from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₅, OCF₅, NO₂, OH, O-C₁-C₁-alkyl, C₁-C₆-alkyl, C₂-C₆alkenyl, C₂-C₆-alkynyl, NH₂, NH₁(C₁-C₁-alkyl) and N(C₁-C₁-alkyl)₂,

RSt at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, phenyl and C₁-C₆-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R^{SO}.

R^{SS} at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkeynyl, C₂-C₆-alkyynyl, phenyl, C₁-C₇-alkylen-phenyl, where the ring may be substituted by up to two radicals R[®]0, and OH, O-C₁-C₆-alkyly, O-phenyl, O-C₁-C₇-alkylen-phenyl, NH_S, NH(C₇-C₇-alkyl) and N(C₁-C₇-alkyly).

R56 is a group Q1-Q2-Q3, where

 $Q^i \text{ is selected from the group consisting of a bond, } C_1\text{-}C_1\text{-}alkylen, } C_2\text{-}C_1\text{-}alkenylen, } C_2\text{-}C_2\text{-}alkynylen, } C_1\text{-}C_2\text{-}alkynylen, } C_1\text{-}C_2\text{-}alkynylen, } C_1\text{-}C_2\text{-}alkylen, } C_1\text{-}C_2\text{-}alkylen, } C_2\text{-}C_2\text{-}alkylen, } C_2\text{-}C_2\text{-}C_2\text{-}Alkylen, } C_2\text{-}C_2\text{-}C_2\text{-}Alkylen, } C_2\text{-}C_2\text{-}C_2\text{-}C_2\text{-}C_2\text{-}Alkylen, } C_2\text{-}C_2\text{-}C_2\text$

 Q^2 is selected from the group consisting of C_1 - C_4 -alkylen, C_2 - C_4 -alkenylen, C_2 - C_4 -alkynylen, and a bond,

 Q^{λ} is a hydrogen or an unsaturated, saturated or partially unsaturated mono-, bi- or tricyclic ring having a maximum of 14 carbon atoms and 0 to 5 nitrogen atoms, 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which may comprise up to two oxo groups and may be substituted by the radicals R^{Δ} , R^{Δ} and/or R^{Δ} .

RST at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, phenyl, C₁-C₁-alkylen-phenyl, COOH, CO-O-C₁-C₆-alkyl, CONH₂, CO-NH-C₁-C₁-alkyl, CO-N(C₁-C₁-alkyl)₂, CO-C₁-C₆-alkyl, CH₂-NH₂, CH₂-NH-C₁-C₁-alkyl and CH₂- N(C₁-C₄-alkyl)₂,

R⁵⁸ at each occurrence is independently selected from the group consisting of hydrogen, C₁-C₆-alkyl, C₂-C₆-alkenyl, C₂-C₆-alkynyl, phenyl and C₁-C₁-alkylen-phenyl, where the phenyl ring may be substituted by up to two radicals R⁶².

R⁵⁰, R⁶⁰ and R⁶² at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₃, OCF₃, NO₂, OH, O-C₁-C₁alkyl, C₁-C₆-alkyl, C₂-C₆-alkynyl, C₂-C₆-alkynyl, NH₂, NH(C₁-C₁-alkyl) and N(C₁-C₁-alkyl)₂.

Re⁶, R⁶ and R⁶ at each occurrence are selected independently of one another from the group consisting of hydrogen, chlorine, bromine, iodine, fluorine, CN, CF₅, OCF₅, NO₂, OH, O-C₁-C₄-alky₁, O-C₁-C₄-alky₁, O-C₁-C₄-alky₁, O-C₇-alky₁, NH₂, NH(C₁-C₄-alky₁) and N(C₁-C₄-alky₁)₂,

provided that if W is a bond, then X is NR¹⁴, NR¹⁴, CO or NR¹⁴, SO₂₀, or if W is a bond, then X is NR¹⁴, NR¹⁵, CO or NR¹⁵, SO, or if W is a bond, then X and Y are a bond and Z is NR¹⁸, SO, or if W is a bond, then X and Y are a bond and Z is NR¹⁸, SO, or if W is a bond, then X and Y are a bond and Z is NR¹⁸, SO, or if W is a bond, then X and Y are a bond and Z is NR¹⁸, SO, or if W is a bond, then X and Y are a bond and Z is NR¹⁸, SO, or if W is a unsaturated mono, bi- or tricyclic ring having a maximum of 14 carbon atoms and 1 to 5 nitrogen atoms, and 0 to 2 oxygen atoms and/or 0 to 2 sulfur atoms, which ring may comprise up to two oxo groups and may be substituted by radicals R²⁸, R²⁰, R²⁰ and/or up to three radicals R²³, and which ring is bound via a nitrogen ring atom to the remainder of the molecule,

and their tautomeric forms, enantiomeric and diastereomeric forms, and prodrugs thereof.

- 7. (Previously Presented) The compound of claim 6, wherein D is an aromatic heteromonocyclic system comprising 1 or 2 heteroatoms, where one of the 2 heteroatoms is nitrogen.
- (Previously Presented) The compound of claim 6, wherein D is selected from the group consisting of pyrimidine, pyridine, pyridazine, pyrazine, thiazole, imidazole, thiophene and furan.
- (Previously Presented) The compound of claim 6 wherein G is selected from the group
 consisting of thiophene, furan, pyrrole, pyrazole, isoxazole, pyridine, pyrimidine, quinoline, isoquinoline,
 tetrahydroisoquinoline, benzothiophene, benzofuran, indole, imidazole, thiazole, imidazothiazole,
 benzooxazine and quinoxaline.
- (Previously Presented) A pharmaceutical composition comprising a compound as claimed in claim 1 and a pharmaceutically acceptable carrier.

| 11. | (Cancelled) |
|-----|-------------|
| 12. | (Cancelled) |
| 13. | (Cancelled) |

- 14. (Cancelled)
- 15. (Cancelled)
- 16. (Cancelled)
- 17. (Cancelled)
- (Previously Presented) A pharmaceutical composition comprising a compound as claimed in claim 6 and a pharmaceutically acceptable carrier.
- 19.-31 (Cancelled).